

EUROPEAN PATENT OFFICE**Patent Abstracts of Japan**

PUBLICATION NUMBER : 54160216
PUBLICATION DATE : 18-12-79

APPLICATION DATE : 08-06-78
APPLICATION NUMBER : 53069210

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RECEIVED

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JUN 18 2002

INT.CL. : G11B 17/00 G11B 19/28 H02P 5/00

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TITLE : REVOLUTION CONTROL SYSTEM

ABSTRACT : PURPOSE: To safely and surely perform head loading and prevent accident by changing the number of revolutions of a spindle motor stepwise during the time until it is increased to the final steady number of revolutions in a magnetic disc.

CONSTITUTION: The number of revolutions of a spindle motor 1 is detected in a circuit 2 and is compared 3 with the reference signal from a circuit 4, the result whereof is sent to a motor drive control circuit 5. According to the input of low-high speed switching signal HLS, the circuit 4 outputs the signal corresponding to the number of revolutions f_1 up to the time t_3 when the low speed region control ends from the power source input time to and outputs the signal corresponding to the number of revolutions f_2 after the time t_3 . Further, according to the changeover of the signal HLS, the circuit 6 supplies the current i_2 to the drive switching circuit 7 up to the time t_3 and does so after increasing the same to the current i_1 after said time. This results in that the motor 1 receives two stages of changes B in the number of revolutions until it attains the steady number of revolutions.

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